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# Naval Postgraduate School

## Commencement Exercises / May 1960

Naval Postgraduate School (U.S.)

Monterey, California. Naval Postgraduate School

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## Ten O'Clock

## King Hall

Superintendent  
**Elmer Eugene Yeomans**  
Rear Admiral, U.S. Navy

Chief of Staff  
**Lowell Winfield Williams**  
Captain, U.S. Navy

Academic Dean  
**Roy Stanley Glasgow**

Director, Engineering School  
**Harold Miller Heming**  
Captain, U.S. Navy

Director, General Line and  
Naval Science School  
**Robert Park Beebe**  
Captain, U.S. Navy

Director, Management School  
**Thomas Louis Conroy**  
Captain, U.S. Navy

Commanding Officer, Administrative Command  
**Douglas Kavanaugh English**  
Commander, U.S. Navy

## MISSION

"To conduct and direct the instruction of commissioned officers by advanced education, to broaden the professional knowledge of general line officers, and to provide such other indoctrination, technical and professional instruction as may be prescribed to meet the needs of the Naval Service."



# Program

## PROCESSIONAL

Pomp and Circumstance . . . . . Sir Edward Elgar

## NATIONAL ANTHEM

## INVOCATION

Commander EDWARD J. HEMPHILL, (CHC), U.S. Navy

## INTRODUCTION OF SPEAKER

Rear Admiral E. E. YEOMANS, U.S. Navy  
Superintendent, U.S. Naval Postgraduate School

## ADDRESS TO GRADUATES

The Honorable JAMES H. WAKELIN, Jr.  
Assistant Secretary of the Navy for Research and Development

## AWARDS OF CERTIFICATES FOR COMPLETION OF CURRICULUM

General Line and Naval Science School . . . . . Captain ROBERT P. BEEBE, U.S. Navy

## CONFERRING OF DEGREES

ROY S. GLASGOW, Academic Dean

For the degree of	Presentation of candidates by
Bachelor of Science . . . . .	Professor FRANK E. LA CAUZA
Bachelor of Science . . . . .	Professor W. RANDOLPH CHURCH
Bachelor of Science in Aeronautical Engineering . . . . .	Professor WENDELL M. COATES
Bachelor of Science in Communication Engineering . . . . .	Professor G. ROBERT GIET
Bachelor of Science in Electrical Engineering . . . . .	Professor ALLEN E. VIVELL
Bachelor of Science in Engineering Electronics . . . . .	Professor G. ROBERT GIET
Bachelor of Science in Mechanical Engineering . . . . .	Professor ROBERT E. NEWTON
Bachelor of Science in Meteorology . . . . .	Professor WILLIAM D. DUTHIE
Bachelor of Science in Physics . . . . .	Professor AUSTIN R. FREY
Bachelor of Science in Reactor Engineering . . . . .	Professor ROBERT E. NEWTON
Master of Science . . . . .	Professor W. RANDOLPH CHURCH
Master of Science in Aerophysics . . . . .	Professor WENDELL M. COATES
Master of Science in Chemistry . . . . .	Professor FRED L. COONAN
Master of Science in Electrical Engineering . . . . .	Professor ALLEN E. VIVELL
Master of Science in Engineering Electronics . . . . .	Professor G. ROBERT GIET
Master of Science in Mechanical Engineering . . . . .	Professor ROBERT E. NEWTON
Master of Science in Meteorology . . . . .	Professor WILLIAM D. DUTHIE
Master of Science in Physics . . . . .	Professor AUSTIN R. FREY

## BENEDICTION

Lieutenant Commaner LEON S. DARKOWSKI (CHC), U.S. Navy

## RECESSIONAL

March Militaire Francaise from "Algerian Suite" . . . . . Saint-Saens

## MUSIC

United States Army Band  
Chief Warrant Officer GLENN C. BISTLINE, Conducting



## PLATFORM PARTY

### First Row (R. to L.)

Lieutenant Commander L. S. Darkowski, (CHC),  
U.S. Navy  
Chaplain, Naval Air Facility, Monterey

Captain Jefferson D. Parker, U.S. Navy  
Assistant Director, General Line and Naval Science  
School, N.P.S.

Colonel James L. Collins, Jr., U.S. Army  
Commandant, U.S. Army Language School

Captain Lowell W. Williams, U.S. Navy  
Chief of Staff, Naval Postgraduate School

Dean Roy S. Glasgow  
Academic Dean, Naval Postgraduate School

Captain Robert P. Beebe, U.S. Navy  
Director, General Line and Naval Science School, N.P.S.

Captain Harold M. Heming, U. S. Navy  
Director, Engineering School, Naval Postgraduate School

Rear Admiral E. E. Yeomans, U.S. Navy  
Superintendent Naval Postgraduate School

The Honorable James H. Wakelin, Jr.  
Assistant Secretary of the Navy, Research and Development

Major General Carl F. Fritzsche, U.S. Army  
Commanding General, U.S. Army Training Center  
(Infantry) and Fort Ord

Captain Harry E. Townsend, U.S. Navy  
Assistant Director, Engineering School, N.P.S.

Commander Edward J. Hemphill, (CHC), U.S. Navy  
Chaplain, Naval Postgraduate School

### Second Row (R. to L.)

Professor Frank E. La Cauza  
Academic Chairman, General Line and Naval Science  
School, N.P.S.

Professor W. Randolph Church  
Department of Mathematics and Mechanics

Professor Wendell M. Coates  
Department of Aeronautics

Professor Fred L. Coonan  
Department of Metallurgy and Chemistry

Professor Allen E. Vivell  
Department of Electrical Engineering

Professor Austin R. Frey  
Department of Physics

Professor William D. Duthie  
Department of Meteorology

Professor Robert E. Newton  
Department of Mechanical Engineering

Professor G. Robert Giet  
Department of Electronics

Captain Robert E. Odening, U.S. Navy  
O in C Ordnance Engineering Curricula

Captain Edwin T. Harding, U.S. Navy  
O in C of Meteorology Curricula

### Third Row (R. to L.)

Commander Richard S. Garvey, U.S. Navy  
Department of Humanities

Captain William B. Paulin, U.S. Navy  
Department of Applied Engineering

Captain Sam J. Caldwell, U.S. Navy  
Department of Seamanship and Administration

Captain Joseph E. Hart, U.S. Navy  
Department of Naval Warfare

Captain Thomas L. Conroy, U.S. Navy  
Director, Navy Management School, N.P.S.

Commander Douglas K. English, U. S. Navy  
Commanding Officer, Administrative Command, N.P.S.

Captain Kenneth F. Musick, U.S. Navy  
Commanding Officer, Naval Air Facility, Monterey

Captain William R. Crutcher, U.S. Navy  
O in C Naval Engineering Curricula

Captain Louis P. Spear, U.S. Navy  
O in C Electronic and Communications Engineering Curricula

Captain James V. Rowney, U.S. Navy  
O in C Aeronautical Engineering Curricula

Commander Almira B. Davis, W, U.S. Navy  
Special Assistant to the Superintendent

In honor of the graduating students and their families, there will be a reception at the Superintendent's quarters commencing immediately after the ceremony. Those attending the commencement exercises are cordially invited.



# CANDIDATES FOR CERTIFICATES OF COMPLETION OF CURRICULA General Line

JOHN ABBOTT, LCDR, USN . . . . .	Staff, Operational Test and Evaluation Force, Norfolk, Virginia
SAMUEL J. ABEL, LCDR, USN . . . . .	Staff, Commander Airborne Early Warning, Atlantic
MARVIN W. ALEXANDER, LT, USN . . . . .	Naval Air Station, Cubi Point, Philippine Islands
*ARNOLD W. ALLISON, LT, USN . . . . .	Beach Jumper Unit Two
JOHN M. ALTMAYER, LT, USN . . . . .	USS LAKE CHAMPLAIN (CVS-39)
THOMAS F. ANDERSON, LT, USN . . . . .	Naval Air Facility, Monterey, Calif.
STEPHEN O. ARMSTRONG, JR., LT, USN . . . . .	USS FORRESTAL (CVA-59)
HARVEY AUBUCHON, LT, USN . . . . .	USS PRINCETON (LPH-5)
FRANCIS E. BABINEAU, LCDR, USN . . . . .	Bureau of Naval Personnel, Washington, D.C.
JOHN L. BACON, LT, USN . . . . .	USS PRINCETON (LPH-5)
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*WILLIAM R. BELL, LT, USN . . . . .	USS KITTY HAWK (CVA-63)
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FREDERICK M. BIEDENWEG, LT, USN . . . . .	Fighter Squadron 124
ISIK S. BIREN, LTJG . . . . .	Turkish Navy
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WILLIAM C. BLANEY, LT, USN . . . . .	Air Development Squadron ONE
LEE R. BOLES, LT, USN . . . . .	USS HANCOCK (CVA-19)
RICHARD L. BOLES, LT, USN . . . . .	Patrol Squadron NINETEEN
HARRY E. BOLSTER, LT, USN . . . . .	Norfolk Group Atlantic Reserve Fleet
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*LAWRENCE F. BOWMAN, LT, USN . . . . .	USS BON HOMME RICHARD (CVA-31)
WILLIAM E. BREWER, JR., LCDR, USN . . . . .	USS BON HOMME RICHARD (CVA-31)
JOHN E. BUCKLEY, LT, USN . . . . .	Fighter Squadron 124
JAMES CARLIN, LCDR, USN . . . . .	USS TICONDEROGA (CVA-14)
NGUYEN-THANH-CHAU, LT . . . . .	Vietnamese Navy
CHAO-YING CHEN, LT . . . . .	Chinese Navy
HAE KANG CHONG, LCDR . . . . .	Korean Navy
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ROBERT W. COMEY, LT, USN . . . . .	U.S. Naval School, Mine Warfare, Charleston, S.C.
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PAUL DEATON, LT, USN . . . . .	Naval Communications Station, Pearl Harbor, Hawaii

\* In Absentia



## General Line

SEBASTIAN P. deVILLA, LT . . . . .	Philippine Navy
ALFREDO V. DIVINO, LT . . . . .	Philippine Navy
ALFRED J. DILLON, LT, USN . . . . .	USS BEARSS (DD-654)
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*RICHARD E. DUPREE, LT, USN . . . . .	U.S. Naval CIC School, Glyncro, Ga.
KENNETH C. ECKERD, LT, USN . . . . .	USS SALISBURY SOUND (AV-13)
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FRANCIS J. ENGEL, III, LT, USN . . . . .	Operational Test and Evaluation Force, New London Detachment, New London, Conn.
*FRANCIS W. ENGLISH, JR., LT, USN . . . . .	USS EVERSOLE (DD-789)
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JOSEPH R. GEARY, LCDR, USN . . . . .	Tactical Control Squadron THIRTEEN
ALAN J. GEEL, LCDR, USN . . . . .	USS KEARSARGE (CVS-33)
PATRICK F. GHERRITY, LT, USN . . . . .	USS INDEPENDENCE (CVA-62)
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*JAMES M. GLEIM, LT, USN . . . . .	Attack Squadron 125
HOWARD F. GRAF, LT, USN . . . . .	Recruit Training Command San Diego, Calif.
JACK E. GRIFFIN, LT, USN . . . . .	Staff, Commander, Amphibious Squadron FOUR
JOSEPH E. GUION, LT, USN . . . . .	U.S. Naval Postgraduate School, Monterey, Calif.
JOSEPH H. HALTOM, LT, USN . . . . .	USS AULT (DD-698)
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ORLAND C. HARP, LCDR, USN . . . . .	U.S. Naval Intelligence School, Washington, D.C.
NGUYEN-TRONG-HIEP, LT . . . . .	Vietnamese Navy
LELAND A. HOLDREN, LCDR, USN . . . . .	Bureau of Naval Personnel, Washington, D.C.
DANIEL T. HOLLY, JR., LT, USN . . . . .	USS LOCATOR (AGR-6)
KI KYONG HONG, LCDR . . . . .	Korean Navy
*LEE S. HOUCHINS, LCDR, USN . . . . .	Staff, U.S. Naval Postgraduate School, Monterey, Calif.
WILLIAM P. HUGO, LCDR, USN . . . . .	Staff, Commander, Carrier Air Group NINETEEN
YOSHIO ISHIDA, LT . . . . .	Japanese Navy
RICHARD H. IVES, LT, USN . . . . .	Naval Air Station, Oceana, Virginia Beach, Virginia
BERT W. JOHNSON, LT, USN . . . . .	USS CURRITUCK (AV-7)
WALTER P. JOHNSON, LCDR, USN . . . . .	Naval Air Facility, China Lake, California
BERNARD I. JOY, LT, USN . . . . .	Staff, Commander, Amphibious Squadron THREE
JAMES A. JOY, LT, USN . . . . .	USS LAKE CHAMPLAIN (CVS-39)
KUNG-LU KAO, LCDR . . . . .	Chinese Navy
GLENN F. KEENE, LT, USN . . . . .	Air Development Squadron FOUR
LEO KELLY, LCDR, USN . . . . .	Naval Air Basic Training Command, Pensacola, Fla.
*ROBERT E. KIRKSEY, LT, USN . . . . .	USS CURRITUCK (AV-7)

\* In Absentia



## General Line

NORBERT R. KLUGA, LT, USN . . . . .	USS RANGER (CVA-61)
CHARLES F. KLUSMANN, LT, USN . . . . .	USS BON HOMME RICHARD (CVA-31)
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CHING-CHIH KUO, LCDR . . . . .	Chinese Navy
STUART D. LANDERSMAN, LT, USN . . . . .	Staff, Commander, Destroyers, Atlantic
*DAVID S. LANGNER, LT, USN . . . . .	USS SHANGRI-LA (CVA-38)
ARNO H. LAUX, LTJG, USN . . . . .	Fleet Sonar School, San Diego, Calif.
WILLIAM A. LEBERT, LCDR, USN . . . . .	Naval Ordnance Test Unit, Atlantic Missile Range, Cocoa, Fla.
*EUGENE P. LORGE, LT, USN . . . . .	USS ESSEX (CVA-9)
JOHN M. LOSCAVIO, LT, USN . . . . .	Fleet Airborne Electronics Training Unit, Pacific
MARY J. LOTSPEICH, LT, W, USN . . . . .	Office of Legislative Affairs, Washington, D.C.
JOHN MACGREGOR, LT, USN . . . . .	Staff, Commander, Fleet Air Japan
RICHARD T. MANNING, LT, USN . . . . .	Joint Staff, Commander in Chief, United Nations Command/Commander, U.S. Forces Korea
ALAN J. MARGESON, LT, USN . . . . .	Patrol Squadron TWENTY-TWO
HAROLD L. MARR, LCDR, USN . . . . .	Naval War College, Newport, R.I.
*SAMUEL R. MARSHALL, LT, USN . . . . .	USS SHANGRI-LA (CVA-38)
DONALD E. MARTIN, LT, USN . . . . .	USS BON HOMME RICHARD (CVA-31)
WILLIAM R. MATTHEWS, LCDR, USN . . . . .	USS KEARSARGE (CVS-33)
*RICHARD A. MAULDIN, LT, USN . . . . .	USS MIDWAY, (CVA-41)
JOSEPH E. McCLAIN, LT, USN . . . . .	Operational Test and Evaluation Force, New London Detachment, New London, Conn.
PRESTON MCLAIRD, JR., LT, USN . . . . .	Staff, Commander, Anti-Submarine Defense, Pacific
GEORGE R. MEAD, LT, USN . . . . .	Staff, Commander Escort Squadron FOURTEEN
DONALD M. METZLER, LT, USN . . . . .	Operational Test and Evaluation Force Norfolk Detachment, Norfolk, Virginia
GAYLORD J. MISCHKE, LT, USN . . . . .	U.S. Naval Postgraduate School, Monterey, Calif.
DANIEL M. MORRIS, LCDR, USN . . . . .	Tactical Air Control Squadron TWELVE
THEIN NAING, LT . . . . .	Burmese Navy
DELBERT A. OLSON, LCDR, USN . . . . .	Patrol Squadron TWO
CHONG HYO PAE, LCDR . . . . .	Korean Navy
H. PANGABEAN, LCDR . . . . .	Indonesian Navy
MARY A. PENASACK, LT, W, USN . . . . .	Recruit Training (Women) Bainbridge, Md.
JOSEPH A. PERKINS, JR., LT, USN . . . . .	USS CURRITUCK (AV-7)
CLARA A. PERLINGIERO, LT, W, USN . . . . .	Staff, Chief, Naval Air Advanced Training, Corpus Christi, Texas
FRED D. PETERSEN, LT, USN . . . . .	Fleet Activities, Sasebo, Japan
ROBERT A. PFROMER, LT, USN . . . . .	Tactical Air Control Squadron TWENTY-TWO
*CHARLES E. PIFER, LT, USN . . . . .	USS LAKE CHAMPLAIN (CVS-39)
ANTHONY P. PIRRONE, LT, USN . . . . .	Naval Intelligence School, Washington, D.C.
LEWIS J. RADEFF, LT, USN . . . . .	USS SHANGRI-LA (CVA-38)
DONALD E. REH, LCDR, USN . . . . .	Attack Squadron 144
DANIEL P. RILEY, LCDR, USN . . . . .	Patrol Squadron TEN
LYWAL SALLES, LCDR . . . . .	Brazilian Navy
WALTER F. SAUBERS, LT, USN . . . . .	USS REGULUS (AF-57)
ELMER L. SAUL, LT, USN . . . . .	Staff, Commander Service Force, Atlantic

\* In Absentia



## General Line

ROBERT E. SCHROEDER, LT, USN . . . . .	USS LEXINGTON (CVA-16)
EUGENE D. SCHULTZ, LT, USN . . . . .	USS ORISKANY (CVA-34)
*MARGIE A. SCREWS, LT, W. USN . . . . .	Office of Legislative Affairs, Washington, D.C.
THOMAS M. SEALE, JR., LCDR, USN . . . . .	Navy Purchasing Office, London, England
ANTONIO SENAC, LCDR . . . . .	Spanish Navy
JOSE SERRA, LCDR . . . . .	Spanish Navy
EUGENE E. SHEEHY, LT, USN . . . . .	Office of the Chief of Naval Operations, Washington, D.C.
ARNOLD M. SILVERMAN, LT, USN . . . . .	USS MOUNT MCKINLEY (AGC-7)
JOSEPH SIMMONS, JR., LCDR, USN . . . . .	USS CURRITUCK (AV-7)
*REGINALD C. SIMMONS, LT, USN . . . . .	U.S. Naval CIC School, Glynco, Ga.
EDWARD SISK, LT, USN . . . . .	Fleet Training Group, Pearl Harbor, Hawaii
WADE K. SMITH, JR., LCDR, USN . . . . .	Naval Air Station, Cubi Point, Philippine Islands
AARON W. S. SNYDER, LT, USN . . . . .	Attack Squadron 122
HERMAN L. SNYDER, JR., LT, USN . . . . .	USS KITTY HAWK (CVA-63)
EUGENE L. SOLDWEDEL, LT, USN . . . . .	Air Transportation Squadron THREE
*BARRY W. SPENCER, LT, USN . . . . .	Naval Air Station, Point Mugu, California
DOROTHY A. SQUIRES, LT, W. USN . . . . .	Enlisted Personnel Distribution Office, Continental U.S., Bainbridge, Md.
RONALD P. STONE, LT, USN . . . . .	Naval Air Station, North Island, San Diego, Calif.
ARTHUR A. STRUNK, LT, USN . . . . .	Fleet Training Group, San Diego, Calif.
SAYRE A. SWARZTRAUBER, LT, USN . . . . .	USS BRADFORD (DD-545)
CHARLES H. TALL, III, LT, USN . . . . .	Helicopter Anti-Submarine Squadron SEVEN
DON W. TAYLOR, LT, USN . . . . .	Navy Group, Joint U.S. Military Mission for Aid to Turkey, Ankara, Turkey
CARL G. TEGFELDT, LCDR, USN . . . . .	Naval Intelligence School, Washington, D.C.
MIGUEL TIMPONI, JR., LCDR . . . . .	Brazilian Navy
DAVID S. TIPS, LT, USN . . . . .	Fleet Airborne Electronics Training Unit, Pacific
FUAT UGUR, LT . . . . .	Turkish Navy
WILLIAM E. VANOY, LT, USN . . . . .	Naval Auxiliary Air Station, New Iberia, La.
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XAVIER V. VILLANUEVA, LT, USN . . . . .	Attack Squadron 125
ROBERT J. WALLACE, LT, USN . . . . .	Staff, Commander Hawaiian Sea Frontier, Hawaii
JOHN E. WASSON, LT, USN . . . . .	USS SHANGRI-LA (CVA-38)
LOWELL W. WATERS, LCDR, USN . . . . .	Attack Squadron FIFTY-SIX
GUSTAV R. WESTON, LT, USN . . . . .	Amphibious Operational Training Unit, Pacific
*JAMES E. WETZ, LT, USN . . . . .	Fleet Tactical Support Squadron TWENTY-ONE
*MAURICE G. WHITE, LT, USN . . . . .	USS SHANGRI-LA (CVA-38)
*JOHN T. WILLIAMS, LT, USN . . . . .	USS INVESTIGATOR (AGR-9)
HLA WIN, LT . . . . .	Burmese Navy
THOMAS S. WITHEROW, LT, USN . . . . .	USS PAUL REVERE (APA-248)
*EARLE B. WOODBERRY, LT, USN . . . . .	USS HANCOCK (CVA-19)
EDWIN C. WOODBURN, LCDR, USN . . . . .	Staff, Commander in Chief, Pacific Fleet
*HENRY K. WYLIE, LCDR, USN . . . . .	USS KEARSARGE (CVS-33)
RONALD P. WYLIE, LTJG, USN . . . . .	Chief, Naval Air Advanced Training, Corpus Christi, Texas
ISAMU YOKOYAMA, LCDR . . . . .	Japanese Navy
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JANE H. ZILIN, LT, W, USN . . . . .	Bureau of Ships, Washington, D.C.

\* In Absentia



## CANDIDATES FOR DEGREES

### Bachelor of Science

LEE C. ANDERSON, LT, USN . . . . .	NROTC, University of Illinois, Urbana, Ill.
ROLAND E. ASLUND, LCDR, USN . . . . .	Air Development Squadron FOUR
HARVEY J. BEETON, LT, USN . . . . .	Patrol Squadron FIFTY-SIX
WILLIAM W. FERGUSON, LT, USN . . . . .	Staff, Commander, Carrier Division FIVE
DAVID E. FERRUCCI, LT, USN . . . . .	Bureau of Weapons Representative, Baltimore, Md.
CLARENCE O. FISKE, LCDR, USN . . . . .	Office of the Chief of Naval Operations, Washington, D.C.
EDWARD J. JACOBS, LT, USN . . . . .	Attack Squadron 212
ISAAC F. JONES, LCDR, USN . . . . .	Bureau of Weapons, Washington, D.C.
DONALD O. KNERR, LT, USN . . . . .	Naval Auxiliary Air Station, New Iberia, La.
JOHNNIE R. MOORE, LT, USN . . . . .	Fighter Squadron 114
ROBERT E. MORGAN, LT, USN . . . . .	Carrier Airborne Early Warning Squadron ELEVEN
CLIFFORD NELSON, LCDR, USN . . . . .	Heavy Attack Squadron THREE
ROBERT L. NICHOLS, LCDR, USN . . . . .	Carrier Airborne Early Warning Squadron Pacific
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